

Title (en)  
DEVICE FOR MAKING GASES DUSTFREE

Publication  
**EP 0019155 B1 19820811 (DE)**

Application  
**EP 80102372 A 19800502**

Priority  
DE 2918779 A 19790510

Abstract (en)  
[origin: US4324570A] De-dusting of gases is carried out in an apparatus containing a granular-bed filter, the pourable granular filter medium flowing downward through the bed. The apparatus comprises a vessel of rectangular cross-section with a vertical side wall (4) extending from the top to the bottom. A partition (5), arranged parallel to the side wall (4), extends from the upper end of the vessel into the interior of the vessel. The remaining three side walls of the vessel extend - at least starting from a level corresponding to the lower end of the partition (5), taperingly downward to the outlet (9). The partition (5) is supported by the two walls adjacent to the vertical wall and forms, together with these and with the talus (7) of the filter medium, which arises at the lower end of the partition, a chamber (3) into which the inlet (2) for the gas to be purified opens. At the inlet (10) for the filter medium, located at the upper end of the partition, a further talus (12) of the filter medium forms, defining a collecting chamber (16), in which the outlet (17) for the purified gas is located.

IPC 1-7  
**B01D 46/34**

IPC 8 full level  
**B01D 46/34** (2006.01)

CPC (source: EP US)  
**B01D 46/34** (2013.01 - EP US)

Cited by  
FR2630812A1; BE1005670A3

Designated contracting state (EPC)  
CH DE FR GB

DOCDB simple family (publication)  
**EP 0019155 A1 19801126; EP 0019155 B1 19820811**; DE 2918779 A1 19801120; DE 3060747 D1 19821007; JP S55149619 A 19801121; US 4324570 A 19820413

DOCDB simple family (application)  
**EP 80102372 A 19800502**; DE 2918779 A 19790510; DE 3060747 T 19800502; JP 5804180 A 19800502; US 14344480 A 19800424